

HEDMAN & COSTIGAN, P.C.

ATTORNEYS AT LAW

1185 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036-2646

JAMES V. COSTIGAN
KENNETH F. FLOREK
ALAN B. CLEMENT
MARTIN P. ENDRES
KATHLEEN A. COSTIGAN
JOHN F. VOLPE
KATHARINE G. LOVING
NICHOLAS P. CHIARA
PETER J. FALLON

EDWARD A. HEDMAN
1927-2004TELEPHONE
(212) 302-8989TELECOPIER
(212) 302-8998E-MAIL
mail@hgcpatent.comURL: <http://www.hgcpatent.com>TELECOPIER TRANSMISSION

TO: Examiner Hector Reyes FAX NO.: (571) 273-0691
 FROM: James V. Costigan
 DATE: February 18, 2005 CHARGE: 515-4195

RE: Serial No. 09/530,246

(IF THERE ARE ANY PROBLEMS REGARDING THIS TRANSMISSION,
PLEASE CALL (212) 302-8989, EXT. 40 OR 41)

CONFIDENTIAL

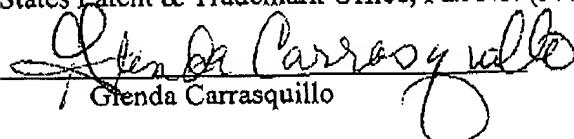
THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND MAY BE SUBJECT
TO THE ATTORNEY-CLIENT PRIVILEGE OR ATTORNEY WORK PRODUCT EXCLUSION.

THIS FACSIMILE IS ONLY INTENDED FOR THE DESIGNATED RECIPIENT (S). ANY RECIPIENT OTHER
THAN THE DESIGNATED RECIPIENT (S) IS HEREBY NOTIFIED THAT ANY DISCLOSURE OR USE OF THE
INFORMATION IS UNAUTHORIZED AND PROHIBITIVE. IF YOU HAVE RECEIVED THIS FACSIMILE IN
ERROR, PLEASE NOTIFY: HEDMAN & COSTIGAN, P.C. BY TELEPHONE AT (212) 302-8989

REMARKS: Urgent For Your Review/Comments Reply ASAP FYI
 Per Your Request Original will / will not follow

Certificate of Transmission

I hereby certify that this correspondence is being facsimile transmitted to the United
States Patent & Trademark Office, Fax No. (571) 273-0691 on February 18, 2005.



Grenda Carrasquillo

Docket No.: 515-4195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATIONS

In re Application of:)
Carlo Mustacchi, et al.) Group Art Unit: 1625
Serial No.: 09/530,246) Examiner: Hector Reyes
Filed: April 26, 2000) Customer No. 47888

**For: PROCESS AND PLANT TO EXTRACT AND CONCENTRATE TANNINS
FROM WOOD AND FROM OTHER NATURAL PRODUCTS**

New York, NY 10036
February 18, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is being filed under the provisions of 37 CFR§1.97.

EPO Search Report	Lists references cited by the Examiner.
U.S. 1,859,497	Cited by the EP Examiner.
U.S. 2,123,212	Cited by the EP Examiner.
FR 862 750	Cited by the EP Examiner.
Chemical Abstracts, Vol. 94, no. 24, June 15, 1981	Cited by the EP Examiner.
NL 8 301 375 A (Wavin BV) November 16, 1984	Cited by the EP Examiner.
Database WPI Week 9361 Derwent Publication Ltd. London, GB; AN 96-301063	Cited by the EP Examiner.

Mulder, M.: "Basic Principles of
Membrane Technology" 1990
Kluwer, Dordrecht,

Cited by the EP Examiner.

Database WPI
Week 8946
Derwent Publication Ltd.
London, GB; AN 89-333069

Cited by the EP Examiner.

AU 533 791

Cited by the Examiner.

Patent Abstracts of Japan
Vol. 007, no. 139 June 17,
1983 & JP 58-051880

Cited by the Examiner.

US 5,476,591

Cited by the Examiner.

Bowen W R et al:
"Characterisation and
Prediction of Separation
Performance of Nanofiltration
Membranes" JOURNAL
OF MEMBRANE SCIENCE,
Vol. 112, no 2, 17 April 1996,
Pages 263-274

Cited by the Examiner.

FR 369 763

Cited by the Examiner.

WO 97/44407

Cited by the Examiner.

Respectfully submitted,



James V. Costigan
Registration No. 25,069

HEDMAN & COSTIGAN, P.C.
1185 Avenue of the Americas
New York, NY 10036-2646
(212) 302-8989

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/530,246
Filing Date	April 26, 2000
First Named Inventor	Carlo Mustacchi, et al
Art Unit	1625
Examiner Name	
Attorney Docket Number	515-4195

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	us- 1,859,497		5/24/1932	Walter Buss	
AB	us- 2,123,212		7/21/1938	Heinrich Scholler, et al	
AC	us- 5,476,591		12/19/1995	Green Dennis H	
AD	us-				
AE	us-				
AF	us-				
AG	us-				
AH	us-				
AI	us-				
AJ	us-				
AK	us-				
AL	us-				
AM	us-				
AN	us-				
AO	us-				
AP	us-				
AQ	us-				
AR	us-				
AS	us-				
AT	us-				

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To
AU		FR 862,750	3/18/1941	Evrard		
AV		NL 8 301 375	11/16/1984	Wavin BV		
AW		AU 533 791	12/8/1983	Commw Scient Ind		
AX		FR 369 763	9/14/1906	Fink		
AY		WO 97 44407	11/27/1997	Gilmour I Alexander		
AZ						
BA						
BB						
BC						
BD						

Examiner
SignatureDate
Considered

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document by the two-letter code (WIPO Standard ST-3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/088 (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of 1

Complete If Known

Application Number	09/815,533
Filing Date	April 26, 2000
First Named Inventor	Carlo Mustacchi, et al
Group Art Unit	1625
Examiner Name	

Attorney Docket Number 515-4195

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cita No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers(s), publisher, city and/or country where published.	T ²
	A	Chemical Abstracts, vol. 94, no. 24, June 15, 1981	
	B	Database WPI London, GB; AN 96-301063	
	C	Mulder, M.: "Basic Principles of Membrane Technology" 1990 Klumer, Dordrecht	
	D	Database WPI Week 8946 Derwent Publication Ltd. London, GB; AN 89-333069	
	E	Patent Abstracts of Japan Vol. 007, no. 139 June 17, 1983 & JP 58-051880	
	F	Bowen W R et al: "Characterisation and Prediction of Separation Performance of Nanofiltration Membranes" JOURNAL OF MEMBRANE SCIENCE, Vol. 112, no 2, 17 April 1996, Pages 263-274	
	G		
	H		
	I		
	K		
	M		

Examiner Signature	Date Considered
--------------------	-----------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INTERNATIONAL SEARCH REPORT

Int'l. Appl. No.
PCT/EP 98/06804

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 B01D11/02 B01D61/02 B01D61/14 B01D63/10 B01D71/68
C07G17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 B01D C07G C08H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 1 859 497 A (BUSS) 24 May 1932 see the whole document	24
A	-----	1-6,17
X	US 2 123 212 A (SCHOLLER) 12 July 1938 see the whole document	24
A	-----	17
X	FR 862 750 A (EVRARD) 18 March 1941 see the whole document	24

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier document but published on or after the international filing date
- "C" document which may throw doubt on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "D" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

6 April 1999

19/04/1999

Name and mailing address of the ISA
European Patent Office, P.O. 5018 Patentstaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl
Fax: (+31-70) 340-2016

Authorized officer

Hoornaert, P

INTERNATIONAL SEARCH REPORT

Int'l. Appl. No.
PCT/EP 98/06804

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHEMICAL ABSTRACTS, vol. 94, no. 24, 15 June 1981</p> <p>Columbus, Ohio, US; abstract no. 193719, DE SIMONE, G. ET AL: "Ultrafiltration studies of tannic liquids" XP002098877</p> <p>see abstract</p> <p>-& CUOIO, PELLI, MATER. CONCIANTI (1980), 56(4), 471-84 CODEN: CPMAAJ; ISSN: 0011-3034, 1980, XP002098895</p> <p>see page 471, last paragraph - page 472, last line</p> <p>see page 473, paragraph 2</p> <p>see page 474, paragraph 2</p> <p>see tables 1-3</p> <p>see page 478</p>	26
A		1,13,16, 23
X	<p>NL 8 301 375 A (WAVIN-BV) 16 November 1984</p> <p>see page 5, line 12 - line 21</p> <p>-& DATABASE WPI</p> <p>Section Ch, Week 8450</p> <p>Derwent Publications Ltd., London, GB; Class A97, AN 84-310475 XP002077989</p>	26
A		1,13,16, 23
Y	<p>DATABASE WPI</p> <p>Week 9631</p> <p>Derwent Publications Ltd., London, GB; AN 96-301063 XP002077986</p> <p>& CZ 9 502 622 A (MAGMA JN SRO) 12 June 1996</p> <p>see abstract</p> <p>& CZ 283-179 B</p> <p>-& CHEMICAL ABSTRACTS, vol. 129, no. 5, 3 August 1998</p> <p>Columbus, Ohio, US; abstract no. 53615, XP002077985</p> <p>see abstract</p>	25
A		1,8,9, 14,16
Y	<p>MULDER, M.: "Basic Principles of Membrane Technology" 1990, KLUWER, DORDRECHT, NL XP002098876</p> <p>see page 312, paragraph 3 - page 313, line 14</p> <p>see figures VIII-3</p>	25
A		1,16

INTERNATIONAL SEARCH REPORT

Int'l. Jpn. Application No.
PCT/EP 98/06804

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.
Category	Citation of document, with indication, where appropriate, of the relevant passage	
A	<p>DATABASE WPI Week 8946 Derwent Publications Ltd., London, GB; AN 89-333069 XP002077987 -& DD 268 857 A (AKAD WISSENSCHAFTEN DDR) , 14 June 1989 see abstract</p> <p>AU 533 791 B (COMMW SCIENT IND RES ORG) 8 December 1983 see page 2, line 1 - line 11 see page 3, line 1 - line 30 see page 6, line 29 - page 7, line 9 see figure</p> <p>PATENT ABSTRACTS OF JAPAN vol. 007, no. 139 (C-171), 17 June 1983 & JP 58 051880 A (TORAY KK:OTHERS: 01), 26 March 1983 see abstract -& DATABASE WPI Section Ch, Week 8318 Derwent Publications Ltd., London, GB; Class A88, AN 83-42897K XP002077988 A see abstract</p> <p>US 5 476 591 A (GREEN DENNIS H.) 19 December 1995 see abstract; figure 2 see column 3, line 28 - line 48 see column 10, line 50 - column 11, line 2 see column 22, line 46 - line 60</p> <p>BOWEN W R ET AL: "Characterisation and prediction of separation performance of nanofiltration membranes" JOURNAL OF MEMBRANE SCIENCE, vol. 112, no. 2, 17 April 1996, page 263-274 XP004041685 see page 267, column 2, paragraph 2 - page 269, column 2, line 22</p> <p>DATABASE WPI Section Ch, Week 9725 Derwent Publications Ltd., London, GB; Class B03, AN 97-272713 XP002098937 & CN 1 101 922 A (XIBEI COLLEGE FORESTRY) , 26 April 1995 see abstract</p> <p>FR 369 763 A (FINK)</p>	1,15-17, 20-25 1 1,10-13, 16,22, 23,25,26 10-13, 22,23,29 13,23, 27,28 2,16,18, 19 5,7,17

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 98/06804

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Character of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 97 44407 A (GILMOUR IAN ALEXANDER ; DUNCAN KELVIN WINSTON (NZ)) 27 November 1997 see abstract; claims 1,3,4,6-8,15; figure 1 see page 3, line 10 - line 34 see page 4, line 11 - page 5, line 32 see page 6, line 17 - line 21	1-3, 15, 16, 24